

What is claimed is:

1. A bubble generating assembly comprising:
 - a housing having a front opening, with a wiping bar secured to a permanent location extending across a portion of the front opening;
 - 5 a container coupled to the housing and retaining bubble solution, the container having an interior;
 - a trigger mechanism;
 - a bubble generating ring positioned adjacent the front opening;
 - a tubing that couples the interior of the container with the ring; and
 - 10 a link assembly that couples the trigger mechanism and the ring in a manner in which actuation of the trigger mechanism causes the ring to be moved from a first position to a second position across the wiping bar.
2. The assembly of claim 1, further including:
 - 15 a motor operatively coupled to the trigger mechanism;
 - an air generator coupled to the motor and directing air towards the ring; and
 - a gear system coupled to the motor and applying pressure to the tubing to cause bubble solution to be delivered from the container to the ring.
- 20 3. The assembly of claim 2, wherein actuation of the trigger mechanism simultaneously causes (i) the air generator to direct air towards the ring, (ii) the gear system to deliver bubble solution from the container to the ring, and (iii) the ring to move from the first position to the second position.
- 25 4. The assembly of claim 1, wherein release of the trigger will cause the ring to move from the second position to the first position across the wiping bar.
- 30 5. The assembly of claim 1, further including means for drawing bubble solution from the container, and to deliver the bubble solution to the ring.
6. The assembly of claim 5, wherein actuation of the trigger mechanism simultaneously causes (i) the drawing means to deliver bubble solution from the container to the ring, and (ii) the ring to move from the first position to the second position.

7. The assembly of claim 5, wherein the drawing means includes the trigger mechanism, at least one rotating pressure roller and a guide wall, the pressure roller having a base section and an upper section that has a smaller diameter than the base section, with the tubing positioned between the upper section of the pressure roller and the guide wall when the trigger mechanism is not actuated, and with the tubing positioned between the base section of the pressure roller and the guide wall when the trigger mechanism is actuated.

10 8. The assembly of claim 7, wherein actuation of the trigger mechanism pushes the pressure roller towards the guide wall such that the tubing is moved from the upper section to the base section of the pressure roller.

15 9. The assembly of claim 1, wherein the container is removably coupled to the housing.

10. The assembly of claim 1, wherein the ring is positioned inside the housing.

20 11. The assembly of claim 1, wherein the air generator includes a fan, and a wind tunnel that extends from the fan to adjacent the front opening.

25 12. The assembly of claim 1, further including a collection funnel positioned below the ring, with the container being removably coupled to the collection funnel so that droplets received on the collection funnel can flow into the container.

13. The assembly of claim 1, wherein the ring has an interior chamber and an opening communicating with the interior chamber and through which the tubing extends, and a plurality of outlets on the front surface through which bubble solution can flow out.

30 14. The assembly of claim 1, wherein the trigger mechanism has an electrical contact that removably couples the motor to actuate the motor, and a resilient member that normally biases the electrical contact away from the motor.

15. The assembly of claim 1, wherein the link assembly includes:
 - a link element connected to the trigger mechanism;
 - a guide bar positioned on the link element, the guide bar having a guide
- 5 surface;
 - a pivot bar pivotably coupled to the housing, the pivot bar have a front end that is attached to the ring, and a guide leg that slidably engages the guide surface;
 - a resilient member coupled to the pivot bar and normally biasing the pivot bar to pivot in a first direction; and
- 10 wherein actuation of the trigger mechanism causes the guide leg to slide along the guide surface to overcome the bias of the resilient member, so that the pivot bar pivots in a second direction.
15. The assembly of claim 1, wherein the ring experiences a curved movement as the ring moves from the first position to the second position across the wiping bar.
16. The assembly of claim 1, further including an air control system that has a cover element which is adjusted to cover selected portions of the air generator
- 20 to vary the amount of air provided to the air generator.
18. The assembly of claim 1, wherein the ring experiences a semi-circular movement as the ring moves from the first position to the second position across the wiping bar.
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19. A bubble generating assembly comprising:
 - a housing having a front opening and an air inlet;
 - a trigger mechanism;
 - a bubble generating ring positioned adjacent the front opening;
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- an air generator positioned adjacent the air inlet and directing air towards the ring; and
- an air control system having a slidable cover that covers selected portions of the air inlet to vary the amount of air provided to the air generator.

20. A bubble generating assembly comprising:

a housing having a front opening;

a bubble generating ring positioned adjacent the front opening;

a funnel positioned below the bubble generating ring;

5 a connector provided in the housing and coupled to the funnel, the connector having a valve element that allows the flow of fluid from the funnel into the container, but prevents flow of fluid from the container into the funnel;

a container coupled to the connector and retaining bubble solution, the container having an interior;

10 a tubing that couples the interior of the container with the ring; and
means for delivering bubble solution from the container to the bubble generating ring.

21. The assembly of claim 20, wherein the connector has a cap, and the

15 tubing and the funnel extend through the cap.

22. The assembly of claim 20, wherein the valve element is coupled to the

funnel, and has a housing defining a bottom wall and a bore, a ball that is retained in the bore, and an elongated slit provided along the bottom wall, with the slit having a

20 width that is smaller than the diameter of the ball such that the ball cannot pass through the slit yet still defines space on either side of the ball so that fluid can flow around the ball and through the slit.